

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

Provisional application No. 60/263256, filed on January 22, 2001.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Data Transmission Via Direct Modulation Of A Mid-IR Laser** the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Martin I. Finston	(Reg. No. 31613)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Jimmy Goo	(Reg. No. 36528)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Hodulik	(Reg. No. 36164)
Michael B. Johannesen	(Reg. No. 35557)
Irena Lager	(Reg. No. 39260)
Reitseng Lin	(Reg. No. 42804)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
John F. McCabe	(Reg. No. 42854)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
Neil R. Ormos	(Reg. No. 35309)
Jack R. Penrod	(Reg. No. 31864)
Gregory C. Ranieri	(Reg. No. 29695)
Eugene J. Rosenthal	(Reg. No. 36658)
Ronald D. Slusky	(Reg. No. 26585)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Charles L. Warren	(Reg. No. 27407)
Eli Weiss	(Reg. No. 17765)

Please address all correspondence to the Docket Administrator (Rm. 3J-219), Lucent Technologies Inc., 101 Crawfords Corner Road, Holmdel, New Jersey 07733. Telephone calls should be made to John F. McCabe by dialing 908-582-6866.

Full name of 1st joint inventor: Clyde George Bethea

Inventor's signature Clyde George Bethea Date June 26, 2001

Residence: Franklin Park, Somerset County, New Jersey

Citizenship: United States of America

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Full name of 2nd inventor: Federico Capasso

Post Office Address: 42 Westbrook Road
Westfield, New Jersey, 07090

1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to understand the preferences and behaviors of potential customers.

20-29-1-3-35-14-1

4

C.G. Bethea 25-66-105-

Full name of 3rd inventor: Alfred Yi Cho

Inventor's signature _____ Date _____

Residence: Summit, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 11 Kenneth Court
Summit, New Jersey, 07901

050906703 052901
T06290 002005050

6/22/01

Post Office Address: 1170 Springfield Avenue
New Providence, New Jersey, 07974

1. The first part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The second part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries. The third part of the paper is devoted to a review of the literature on the effects of the 1997-1998 Asian financial crisis on the economies of the Asian countries.

20-29-1-3-35-14-1

6

C.G. Bethea 25-66-105-

Full name of 5th inventor: Albert Lee Hutchinson

Inventor's signature _____ Date _____

Residence: Columbus, Muscogee County, Georgia

Citizenship: United States of America

Post Office Address: 2409 Cindy Drive
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09656783.052901

Full name of 6th inventor: Rainer Martini

Inventor's signature _____ Date _____

Residence: Hoboken, Hudson County, New Jersey

Citizenship: Germany

Post Office Address: 730 Hudson Street
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Hoboken, New Jersey, 07030

100-443887-100

Full name of 8th inventor: Deborah Lee Sivco

Inventor's signature _____ Date _____

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue
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2025-07-03 15:03:00

Full name of 9th inventor: Alessandro Tredicucci

Inventor's signature _____ Date _____

Residence: 1-16043 Chiavari, Italy

Citizenship: Italy

Post Office Address: via R. Orsi 41/22
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Italy

1052901 1052901 1052901

Full name of 10th inventor: Edward Anthony Whittaker

Inventor's signature _____ Date _____

Residence: Hoboken, Hudson County, New Jersey

Citizenship: United States of America

Post Office Address: 204 Garden Street
Hoboken, New Jersey, 07030

2025-07-03 10:23:04

C.G. Beth 5-66-105-20-29-1-3-35-14-1

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20-29-1-3-35-14-1

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Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Modulik	(Reg. No. 38164)
Michael B. Johannesen	(Reg. No. 35557)
Irena Lager	(Reg. No. 38260)
Reitseng Lin	(Reg. No. 42804)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
John F. McCabe	(Reg. No. 42854)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
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Jack R. Penrod	(Reg. No. 31864)
Gregory C. Ranieri	(Reg. No. 29695)
Eugene J. Rosenthal	(Reg. No. 36858)
Ronald D. Slusky	(Reg. No. 26585)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Charles L. Warren	(Reg. No. 27407)
Eli Weiss	(Reg. No. 17765)

20-29-1-3-35-14-1

Full name of 4th Inventor: Claire F Gmachl

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Citizenship: Austria

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New Providence, New Jersey, 07974

T06290" C0295850

20-29-1-3-35-14-1

Full name of 5th inventor: Albert Lee Hutchinson

Inventor's signature _____ Date _____

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Citizenship: United States of America

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20-29-1-3-35-14-1

Full name of 6th inventor: Rainer MartiniInventor's signature Rainer Martini Date 6/25/01

Residence: Hoboken, Hudson County, New Jersey

Citizenship: Germany

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T052504-052504

20-29-1-3-35-14-1

Full name of 8th inventor: Deborah Lee Sivco

Inventor's signature _____ Date _____

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue
Warren, New Jersey, 07059

T06290" C0495850

20-29-1-3-35-14-1

Full name of 10th inventor: Edward Anthony WhittakerInventor's signature Edward A. Whittaker Date 6/25/01

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Citizenship: United States of America

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